



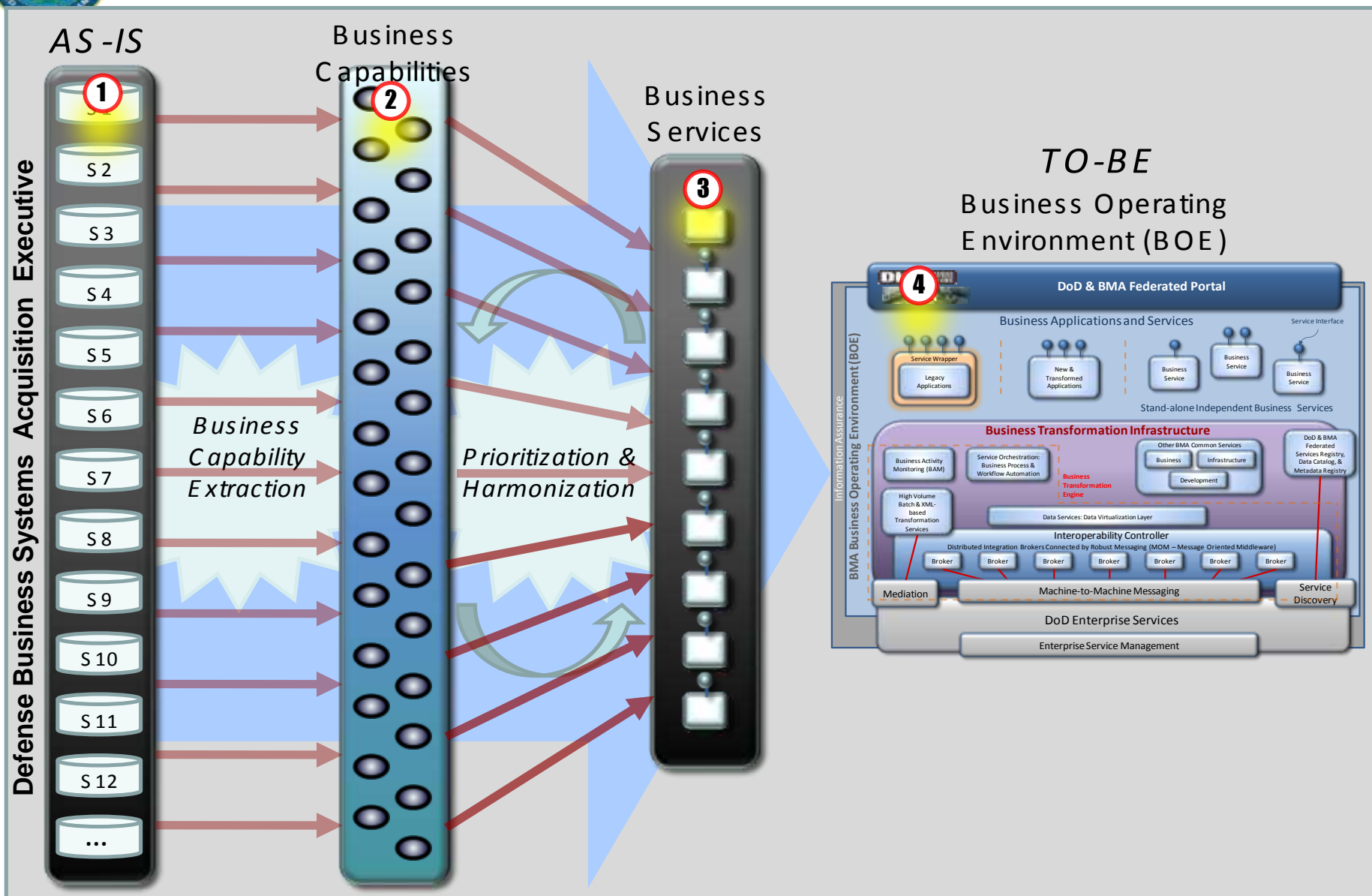
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CrossTalk: Market Research into SOA State of the Art

April 21, 2010

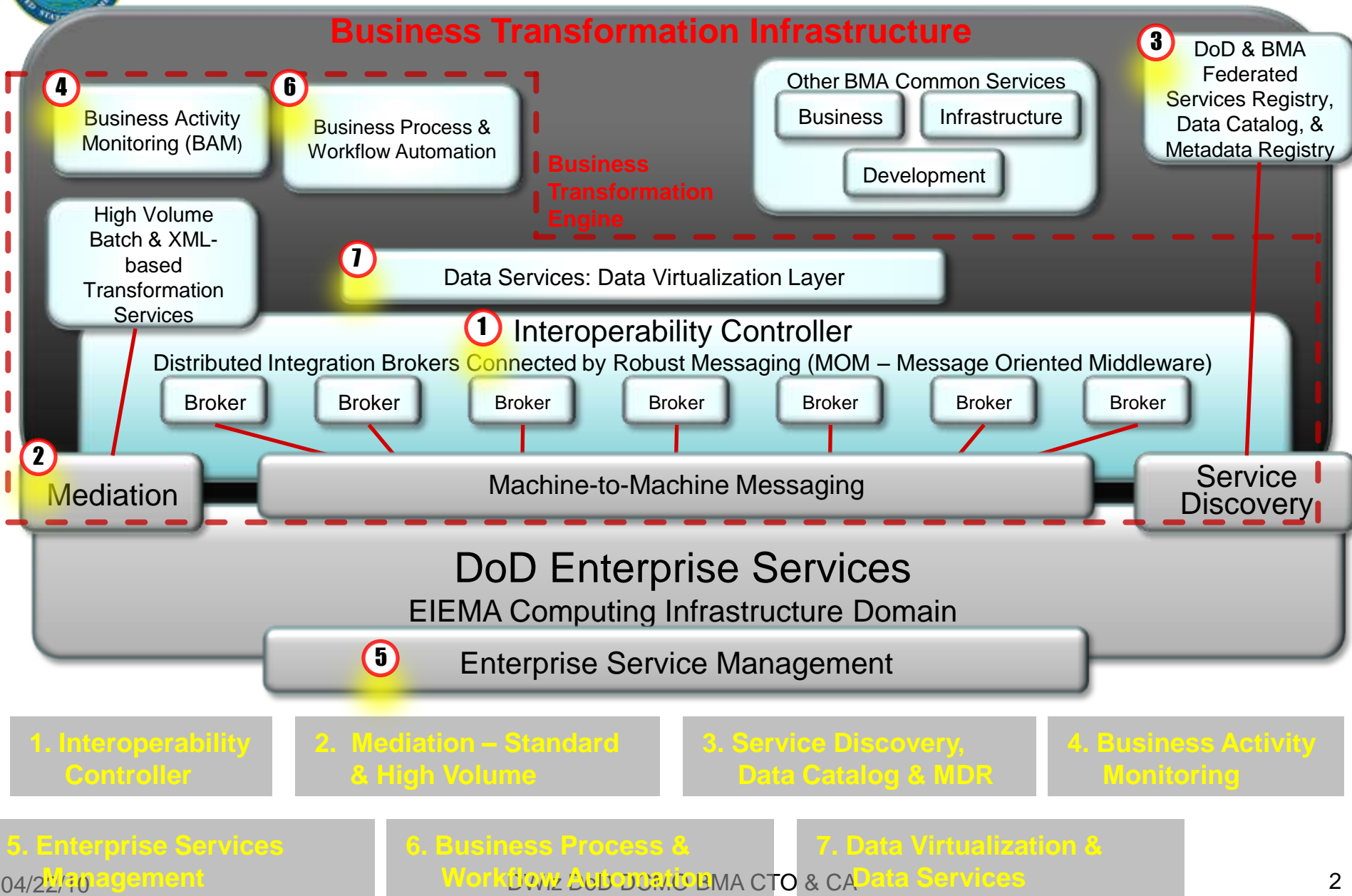


Current State and Future Vision: Its Happening Now





Business Transformation Infrastructure





BTI & BOE Patterns

BTI Components:

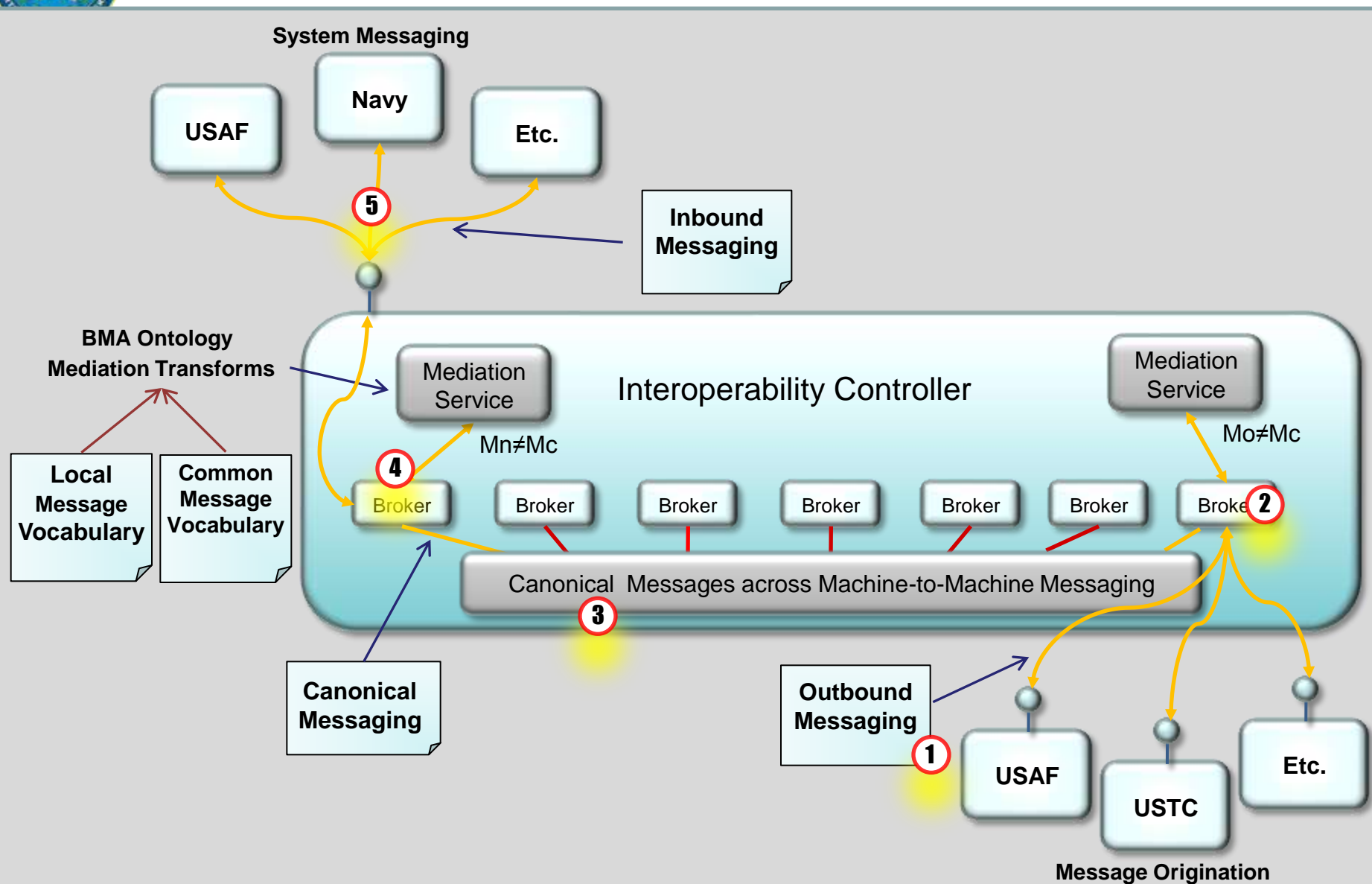
1. Interoperability Controller
2. Mediation
3. Service Discovery
 - 3a. Service Registry
 - 3b. Metadata Registry
 - 3c. Enterprise Catalog
4. Business Activity Monitoring
5. Enterprise Services Management
6. Business Process and Workflow Automation
7. Data Virtualization and Data Services

BOE Components:

8. Information Assurance
9. Governance



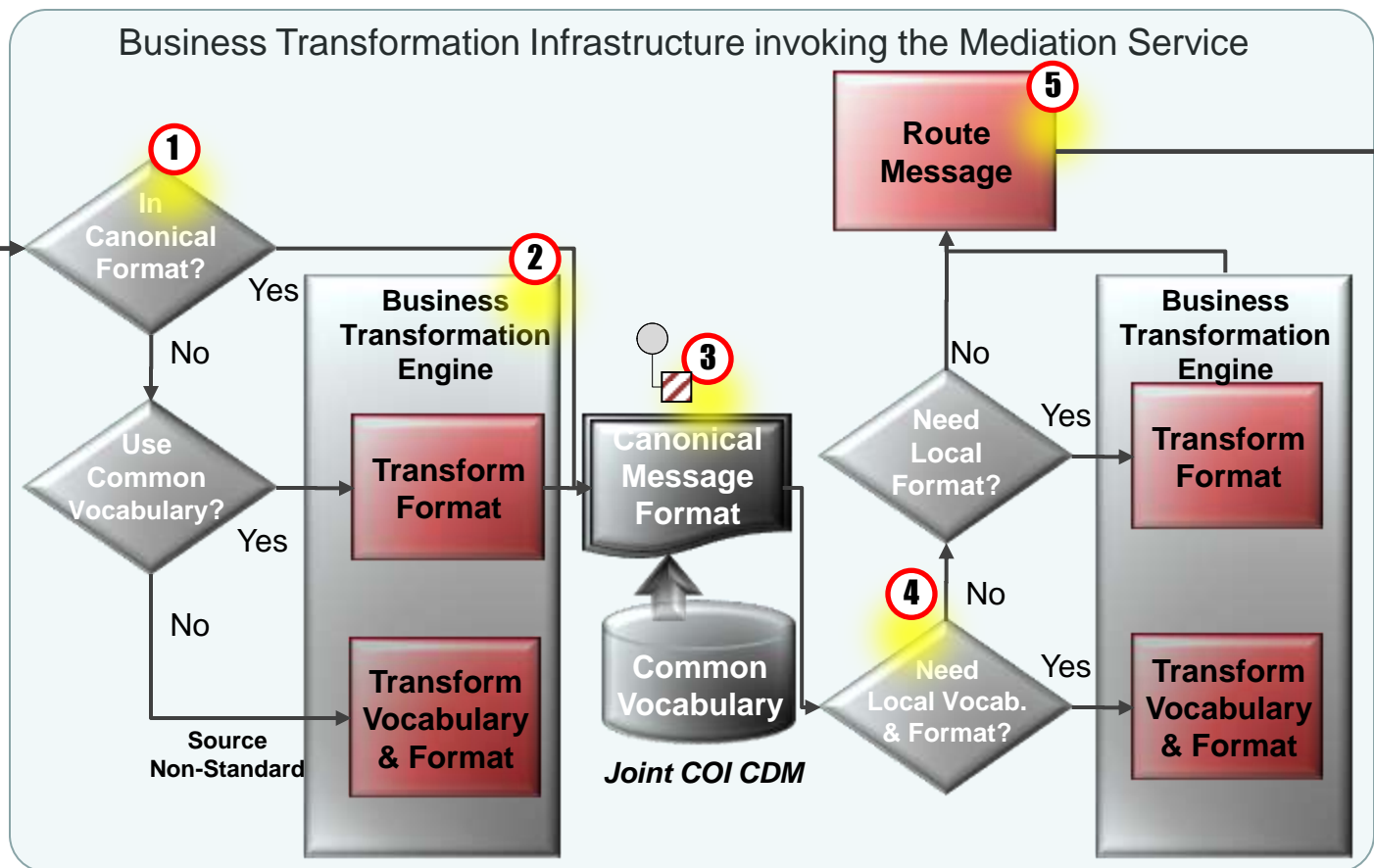
1. Interoperability Controller





2. Mediation

BTI Canonical Message Model and Mediator



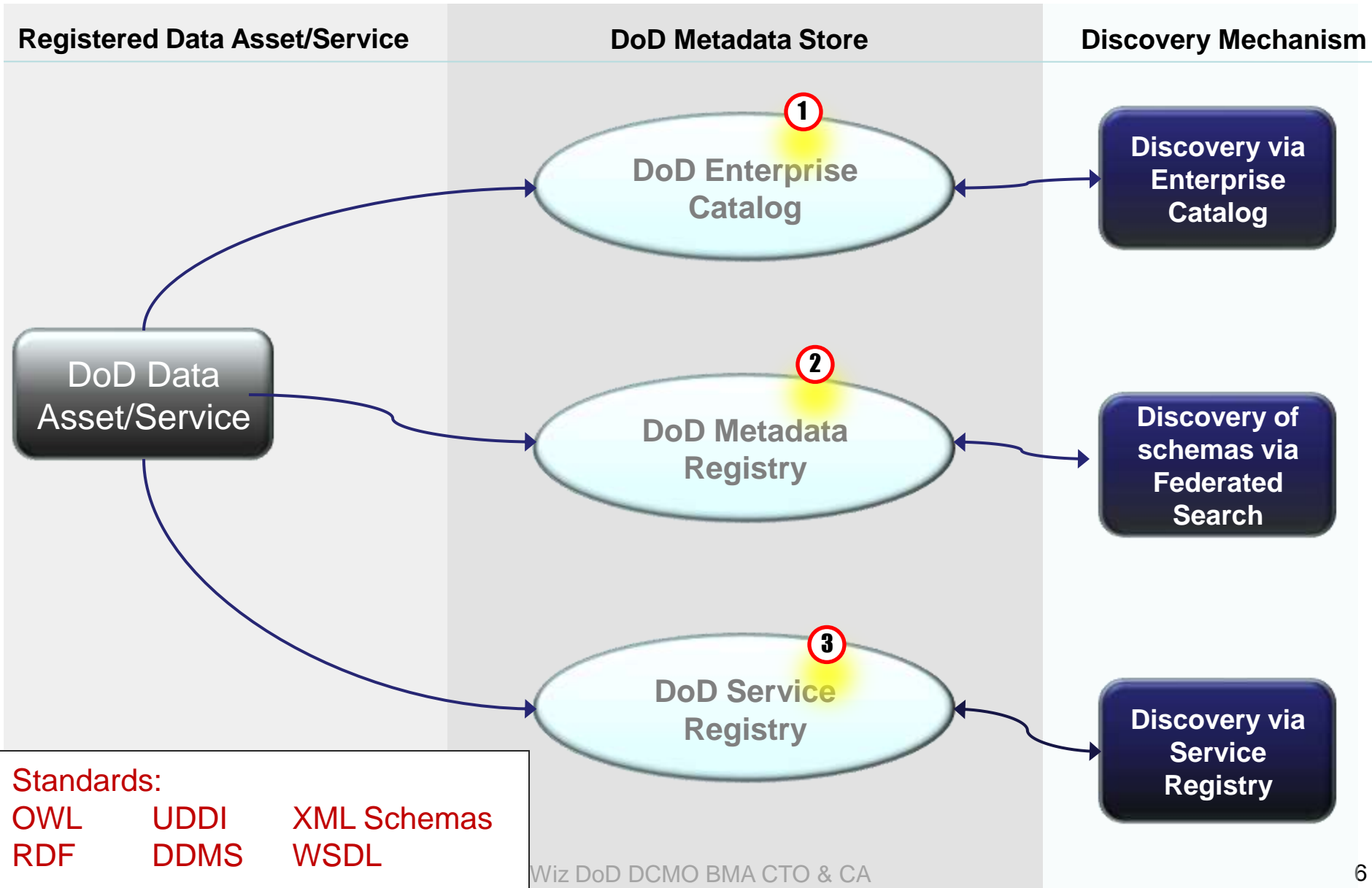
Standards:

OWL	OWL-S	ISO
11179	ebXML	RDF
XSLT		

Message Flow



3. Service Discovery





4. Business Activity Monitoring

BAM: 5
Business Activity Monitoring Level

BAM Presentation;
Dashboards &
Action Screens



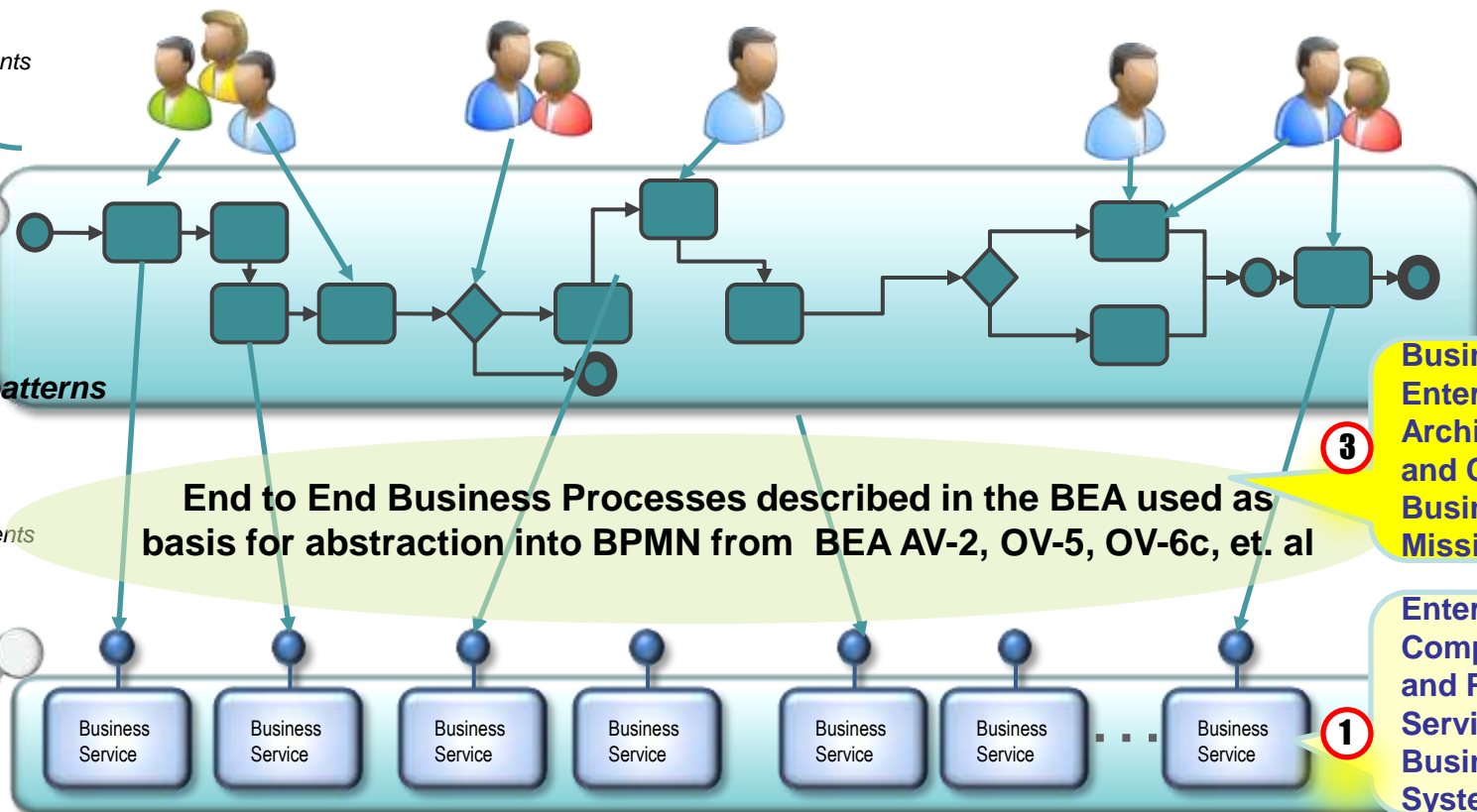
Business Management

Transform process events to business events

BPM: 4
Business Process Monitoring Level using architectural Primitives and patterns

Transform technical events to process events

ESM: 2
Enterprise Service Mgmt Monitoring Level



3
Business Enterprise Architecture and Core Business Mission EA

1
Enterprise, Component and Program Services from Business Systems

Standards:

Business Process Modeling Notation (BPMN)
Business Process Execution Language (BPEL)
XML Process Definition Language (XPDL)



6. Business Process and Workflow Automation

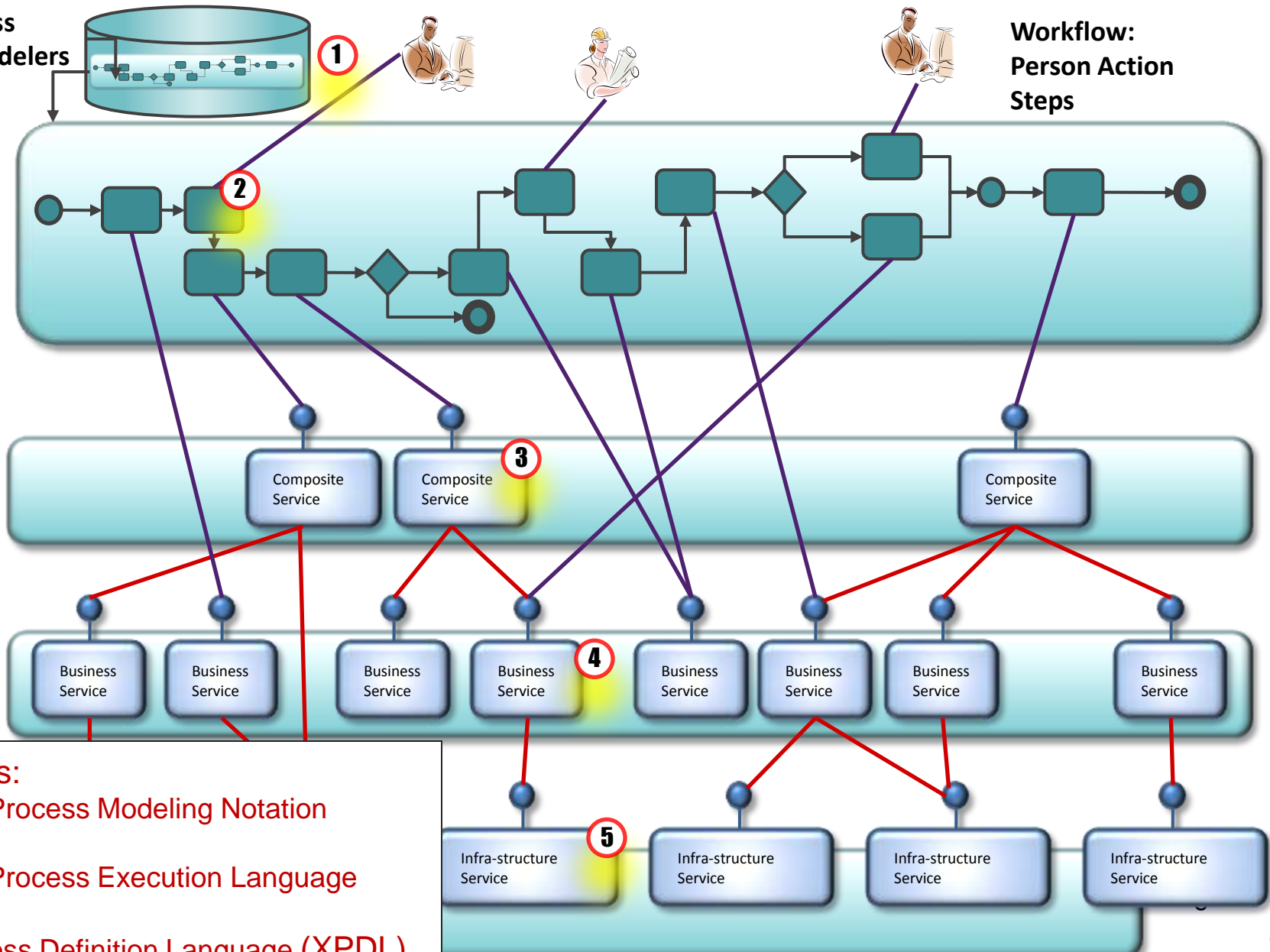
From Business Analysts/Modelers

Orchestration Engine
Executing a Business Process

Composite Business Services

Basic Business Services

Workflow:
Person Action Steps



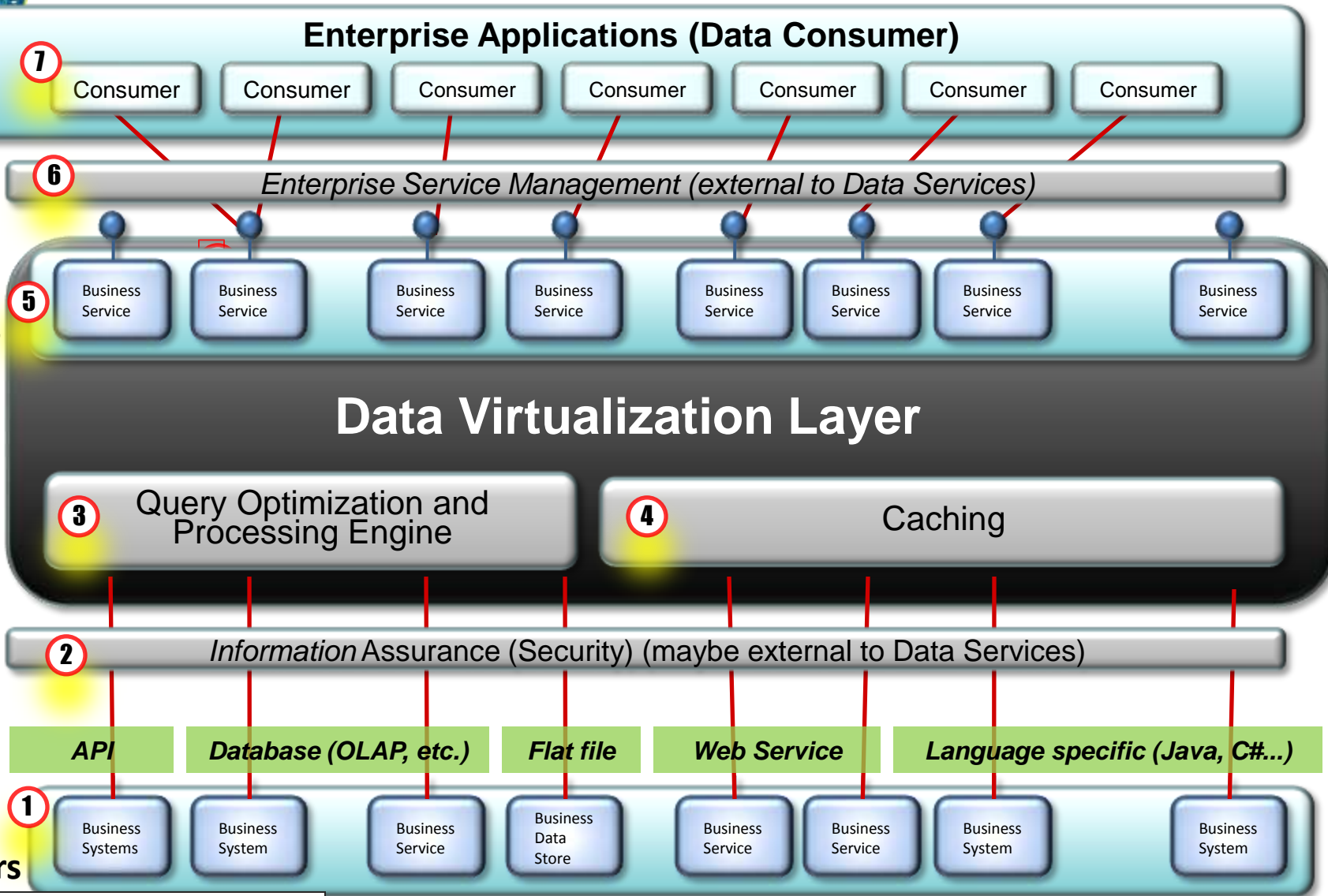


7. Data Virtualization and Data Services

Provides a single view of data as a virtual data source, authoritative of the authoritative source in alignment with metadata and the BEA.

Data Services

Data Providers



Standards:

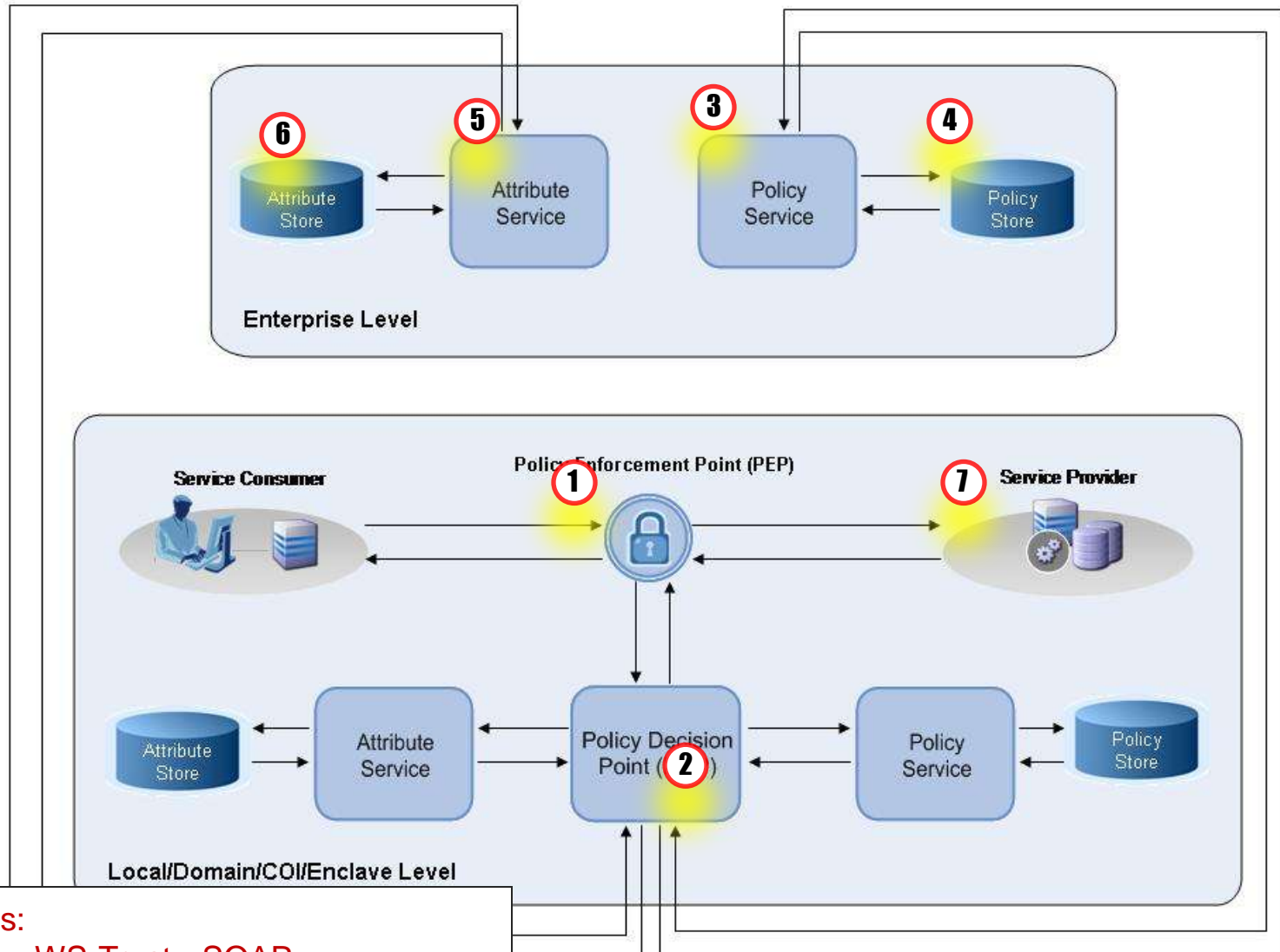
SOAP
ODBC

OWL
JDBC

WSDL



8. Security



Standards:

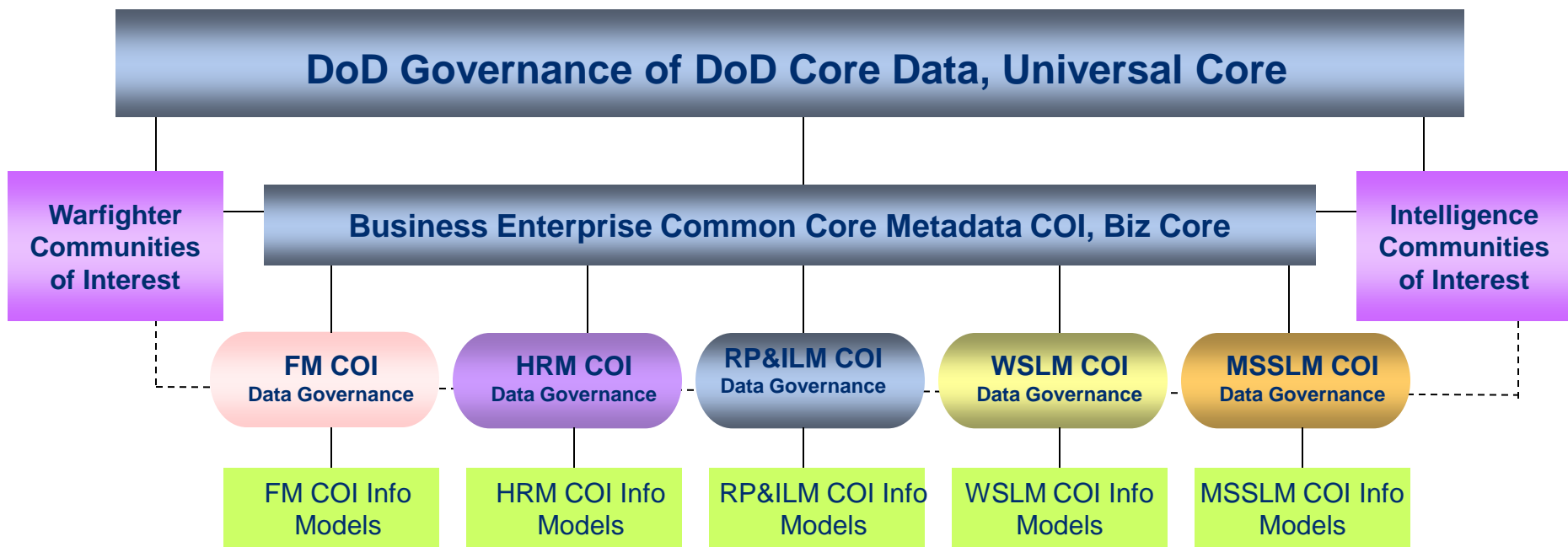
WS-* WS-Trust SOAP
SAML eXtensible
Access Control Markup Language
(XACML)

iz DoD DCMO BMA CTO & (

**FROM DoD Security Reference
Architecture v1.0**



9. Governance

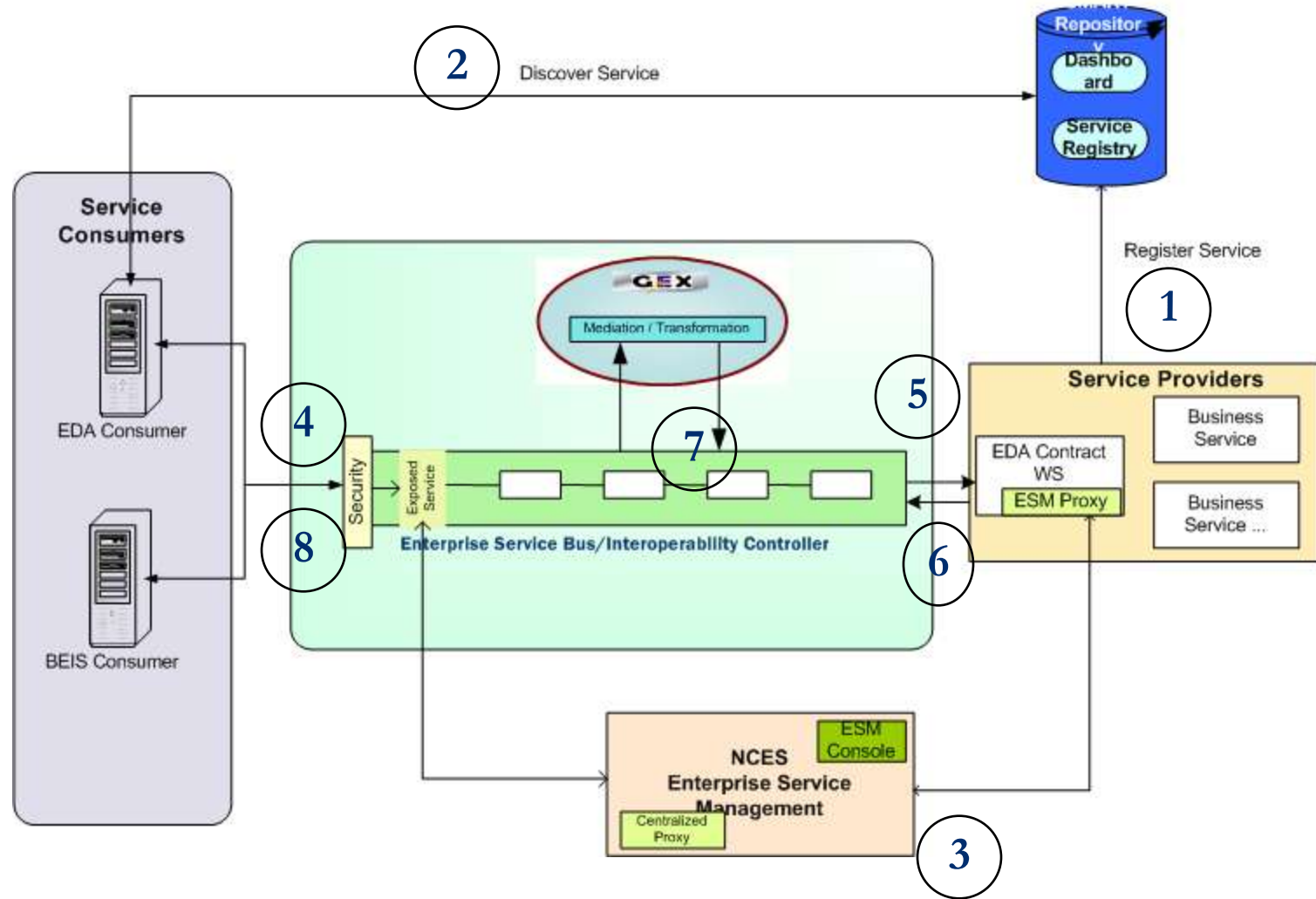




BTA Approach



BTA SOA Design Pattern





Questions?